

# 3314NH ebmpapst 24VDC 92x92x32mm 0.11A Axial Cooling Fan Datasheet



**Brand:** ebmpapst

**SKU:** 614900325441

**Category:** Axial & Centrifugal Fans

**Price:** **\$51.99**

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Product Page:

<https://www.equipspares.com/product/3314nh-ebmpapst-24vdc-92x92x32mm-0-11a-axial-cooling-fan>

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## Product Description

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The ebmpapst 3314NH is a precision-engineered Axial Fan designed for critical thermal management applications requiring consistent airflow and high reliability. Utilizing advanced DC motor technology, this unit operates efficiently within a 12-28 VDC voltage range, delivering optimized aerodynamic performance through its fiberglass-reinforced plastic impeller. The robust housing ensures structural rigidity while minimizing vibration-induced noise, maintaining a low acoustic profile during operation. Engineered with a durable ball bearing system, the 3314NH offers exceptional longevity and reduced thermal impedance, making it an ideal solution for continuous duty cycles in demanding industrial environments where component stability and heat dissipation are paramount.

Model Number: 3314NH

Brand: ebmpapst

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 0.11 A

Power Consumption: 2.6 W

Rated Speed: 3050 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 47.1 CFM (80 m<sup>3</sup>/h / 1.33 m<sup>3</sup>/min)

Max. Static Pressure: 5.1 mmH<sub>2</sub>O (50 Pa / 0.20 inH<sub>2</sub>O)

Dimensions: 92 x 92 x 32 mm

Weight: 0.19 kg

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 37 dB(A)

Housing Material: Fiberglass-Reinforced PBT Plastic (UL94V-0)

Impeller Material: Fiberglass-Reinforced PA Plastic (UL94V-0)

Operating Temperature: -20°C to +75°C

Storage Temperature: -40°C to +80°C

Termination: 2 Lead Wires (AWG 24, TR 64)

Ingress Protection: IP20

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Exhaust Over Struts

Motor Protection: Reverse Polarity and Locked Rotor Protection

Approvals: VDE, CSA, UL, CE

The 3314NH is widely utilized in compact electronic enclosures and telecommunications equipment where space is limited but airflow requirements are substantial. Its robust design makes it suitable for cooling power supply units, server racks, and industrial automation control panels. Additionally, the 3314NH serves effectively in medical instrumentation and CNC machinery, ensuring sensitive components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

## Supplemental Images

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